

Weekly Report

06/08/2015 - 06/14/2015

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June 14, 2015

1 Summary

This week I mainly focus on the DataScanner1 project (the second phase of data inspection).

2 Projects

2.1 Project 1 - DataScanner1

Two modules were done in this week: the distribution-oriented view logo implementation and rewriting of data modules. Also a few bugs fixed.

As stated in the review, our data-type-indicator logo is kind of too simple to indicate the distribution of the underlying data. I reimplemented the logo to be the thumbnails of the corresponding charts. I got rid of the axis and legends and save the svgs on-the-fly as encodings of image.

The next step was supposed to be reimplementing of view relation representation, which however was suspended because originally no data was persisted on the web end and thus only one relation can be shown in the display. It also makes the codes kind of messy since it has to pass many parameters from one function to another. This is obviously not what we want. So I rewrite the data modules in this week with the backbone.js library. Now the view data modules is completed but not the relation data module yet.

I've also discussed the relation representation with Guan. We both thought it would be better if the relation representation only reveals highly-related regions. I will implement this part together with the relation module next week.

2.2 Project 2 - NBA Game Visualization

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2.3 Project 3 - FlowTracker

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3 Paper Reading

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4 To Do List

1. Relation reimplementation: both the data module and the representation module.